PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference JHTK-111-PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416						
International application No.	International filing date (day/month/ye	ear) Priority date (day/month/year)						
PCT/JP2005/003265	28.02.2005	02.03.2004						
International Patent Classification (IPC) or nati	International Patent Classification (IPC) or national classification and IPC							
н01Q13/16, н01Q21/06								
Applicant								
HITACHI CHEMICAL CO., LTD.								
	This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.							
2. This REPORT consists of a total of		including this cover sheet.						
3. This report is also accompanied by A		•						
a. (sent to the applicant and	to the International Bureau) a total of	3 sheets, as follows:						
`		ve been amended and are the basis for this report and/or						
sheets containing red Instructions).	sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative							
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental							
	Down to be deal of C. Production	1 - Acceptance of Acceptance o						
b. (sent to the International)	Bureau only) a total of (indicate type an	d number of electronic carrier(s))						
related therete, in computer	roadable form only as indicated in th	, containing a sequence listing and/or tables						
	related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).							
4. This report contains indications relati	ng to the following items:							
Box No. I Basis of the	report							
Box No. II Priority								
Box No. III Non-establi	shment of opinion with regard to novelt	y, inventive step and industrial applicability						
Box No. IV Lack of unit	y of invention							
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI Certain doc	rtain documents cited							
Box No. VII Certain defe	Box No. VII Certain defects in the international application							
Box No. VIII Certain obse	Box No. VIII Certain observations on the international application							
Date of submission of the demand	Date of complet	ion of this report						
		-						
Name and mailing address of the IPEA/JP	Authorized office	Authorized officer						
Facsimile No.	Telephone No.							

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2005/003265

Box	No. I	Basis of the report					
1.		n regard to the language, this report is based on the internatio cated under this item.	nal application in the language in v	which it was filed, unless otherwise			
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:						
		international search (Rule 12.3 and 23.1(b))					
		publication of the international application (Rule 12.4)				
		international preliminary examination (Rule 55.2 and	,				
2.	rece		egard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the ing Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to port):				
	Ц	the international application as originally filed/furnished					
	\boxtimes	the description:					
		pages1,2,5-10		as originally filed/furnished			
		pages* 3, 4	received by this Authority on _	28.12.2005			
		pages*	received by this Authority on _				
	\boxtimes	the claims:					
		nos. 2-4		as originally filed/furnished			
		nos.*	as amended (together	with any statement) under Article 19			
		nos.* 1,6	received by this Authority on _	28.12.2005			
		nos.*					
	\boxtimes	the drawings:					
		sheets fig. 1-19		as originally filed/furnished			
		sheets*					
		a sequence listing and/or any related table(s) – see Supplem					
3.	\boxtimes	The amendments have resulted in the cancellation of:					
		the description, pages					
		the claims, nos 5	the claims, nos. 5				
		the drawings, sheets/figs	the drawings, sheets/figs				
		the sequence listing (specify):					
		any table(s) related to sequence listing (specify):					
4.		This report has been established as if (some of) the amend they have been considered to go beyond the disclosure as fi					
		the description, pages					
		the claims, nos.					
			the drawings, sheets/figs				
		the sequence listing (specify):					
*	If ite	em 4 applies, some or all of those sheets may be marked "sup		_			

International application No.
PCT/JP2005/003265

Box			ticle 35(2) with regard to novelty, inventive step or industrial applicability; oporting such statement	
1.	Statement			
	Novelty (N)	Claims		YES
		Claims	1-4, 6	NO
	Inventive step (IS)	Claims		YES
		Claims	1-4, 6	NO
	Industrial applicability (IA)	Claims	1-4, 6	YES
		Claims		NO

- 2. Citations and explanations (Rule 70.7)
 - Document 1: JP 6-53734 A (Yagi Antenna Kabushiki Kaisha),
 25 February 1994, entire text, all drawings
 (Family: none)
 - Document 2: JP 5-160626 A (Hitachi Chemical Co., Ltd.),
 25 June 1993, entire text, all drawings
 (Family: none)
 - Document 3: JP 1-165207 A (Arimura Inst. of Technology),
 29 June 1989, entire text, all drawings
 (Family: none)

The inventions set forth in claims 1 to 4 and 6 lack novelty and do not involve an inventive step in the light of document 1 or document 2. (Refer to fig. 4 with regards to the radiating terminals. With consideration of the gain, the efficiency, the side lobe characteristics and the like of the invention as a whole, a person skilled in the art could design the slot intervals in an appropriate manner so as to impart the necessary antenna characteristics to the invention. For example, refer to documents 2 and 3 or the like.)